

## ABSTRACT

The invention provides a method of producing  $\alpha$ -tocopherol and  $\alpha$ -tocopheryl esters. The method comprises using a biological system to produce farnesol or  
5 geranylgeraniol. Then, the farnesol or geranylgeraniol is chemically converted into  $\alpha$ -tocopherol or an  $\alpha$ -tocopheryl ester.

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